

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
<b>QSS Group, Inc.</b>	<b>NAS5- 99124 3</b>	<b>564-315-90-15-89</b>	<b>99</b>

**TASK TITLE:** (NTE 80 characters; include Project name)

**PWB Design/Fab for RTOP FPQSK Premod Filter**

<b>APPROVALS:</b> (Type or print name and sign)					
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>		<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Thomas Winkert <i>Thomas Winkert</i>		4/12/99	561	561	301-2862917
<b>BRANCH HEAD</b>		<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Robert W. Stone <i>Robert W Stone</i>		4-12-99	561		301-286-5659
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>		<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Fred Huegel <i>William A. Clark</i>		4/14/99	568		301-286-2285
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)		<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Larry Moore			

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

**C.O. Requested Quote on:**

**Date:** APR 19 1999

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO ☐ YES ☒ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☒ NO ☐ YES If yes: ☐ TOTAL ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

**INCENTIVE FEE STRUCTURE (check one)**

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	<input checked="" type="checkbox"/> No. 1	<input type="checkbox"/> No. 2	<input type="checkbox"/> No. 3	<input type="checkbox"/> No. 4	<input type="checkbox"/> No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 50,312.

The target fee of this task order is \$ 3,224.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 53,536.

The maximum fee is \$ 4,712.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*Lorrie L. Eakin*  
SIGNATURE OF CONTRACTING OFFICER

11/19/99  
DATE

**Lorrie L. Eakin**  
**Contracting Officer**

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

AUTHORIZED SIGNATURE

DATE

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**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
QSS Group, Inc.	NAS5- <b>99124</b>	<b>3</b>	

Applicable paragraphs from contract Statement of Work:

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The purpose of this task is to provide Printed Wiring Board design for the RTOP FQPSK Premod Filter. This is a high-speed (1.2 GHz) digital design and will require close coordination between the GSFC Electrical Design engineer and the Printed Wiring Board designer. It will also require the use of Mentor layout tools to allow the possible use of Mentor circuit design and analysis tools in the future.

The contractor shall provide engineering services to generate fabrication drawings, fabricate three PWBs, assemble one PWB and deliver the assembled PWB and the two unassembled PWBs to the GSFC for engineering test.

**PERFORMANCE SPECIFICATIONS:**

Assembled PWB must match PADS netlist format generated by GSFC. Determination of match will be done in testing phase at GSFC.

**APPLICABLE DOCUMENTS:**

**TASK END DATE:** ~~03/11/00~~ 10/31/99

**MILESTONES/DELIVERABLES AND DATES:**

Signed-off PWB fabrication drawings	5/31/99
PWB Fabrication	6/30/99
Deliver assembled PWB and 2 unassembled PWB's	<del>10/15/99</del> 10/15/99
Complete PWB testing	<del>8/31/99</del>

**PERFORMANCE STANDARDS:**

**Schedule:** On-time delivery of the above.  
**Technical:** Completed PWB testing at GSFC.

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Tom Winkert, Building 23, Room E325